

10/743943

## Freeform Search

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<b>Database:</b>	US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins
<b>Term:</b>	<input type="text" value="obayashi and (load\$ with vehicle) and (motor with force)"/> <div style="display: flex; justify-content: space-between; width: 100%;"> <span><input type="button" value="Search"/></span> <span><input type="button" value="Clear"/></span> <span><input type="button" value="Interrupt"/></span> </div>
<b>Display:</b>	<input type="text" value="10"/> Documents in <u>Display Format:</u> [-] Starting with Number <input type="text" value="1"/>
<b>Generate:</b>	<input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image

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### Search History

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**DATE:** Monday, May 01, 2006    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<u>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</u>			
<u>L8</u> obayashi and (load\$ with vehicle) and (motor with force)		5	<u>L8</u>
<u>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</u>			
<u>L7</u> L6 and 701/97.ccls.		2	<u>L7</u>
<u>L6</u> l4 or L5		279	<u>L6</u>
<u>L5</u> L3 and @pd<=20021227		229	<u>L5</u>
<u>L4</u> L3 and @ad<=20021227		272	<u>L4</u>
<u>L3</u> L1 and (detect\$ with abnormal\$)		411	<u>L3</u>
<u>L2</u> L1 and detect\$		904	<u>L2</u>
<u>L1</u> vehicle and abnormal\$ and (driv\$ with mechanism\$) and wheel\$		1433	<u>L1</u>

END OF SEARCH HISTORY

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L7: Entry 2 of 2

File: USPT

Sep 26, 2000

US-PAT-NO: 6125321  
DOCUMENT-IDENTIFIER: US 6125321 ATITLE: Motor vehicle drive system controller and automatic drive controller

DATE-ISSUED: September 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tabata; Atsushi	Okazaki			JP
Fukumura; Kagenori	Toyota			JP
Nakamura; Yasunari	Nagoya			JP
Tomomatsu; Hideo	Nagoya			JP
Taniguchi; Hiroji	Okazaki			JP

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Toyota Jidosha Kabushiki Kaisha	Toyota			JP	03

APPL-NO: 08/870386 [PALM]  
DATE FILED: June 6, 1997

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	8-145834	June 7, 1996
JP	8-336181	December 16, 1996

INT-CL-ISSUED: [07] B60 K 31/00, G06 G 7/00US-CL-ISSUED: 701/97; 701/92, 180/170, 318/3, 318/55  
US-CL-CURRENT: 701/97; 180/170, 318/3, 318/55, 701/92

FIELD-OF-CLASSIFICATION-SEARCH: 701/97, 701/70, 701/93, 701/92, 701/91, 318/3, 318/9-12, 318/55, 180/170

See application file for complete search history.

## PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

 [Search Selected](#)  [Search ALL](#)  [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4934476</u>	June 1990	Hyodo	701/97
<input type="checkbox"/> <u>5125471</u>	June 1992	Iwaoka et al.	701/97
<input type="checkbox"/> <u>5230400</u>	July 1993	Kakinami et al.	701/96
<input type="checkbox"/> <u>5485892</u>	January 1996	Fujita	701/70

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
60-259532	December 1985	JP	
63-049539	March 1988	JP	
63-137042	June 1988	JP	
4-208647	July 1992	JP	
5-106499	April 1993	JP	
6-111200	April 1994	JP	
7-69201	March 1995	JP	
7-304349	November 1995	JP	
08-002293	January 1996	JP	

ART-UNIT: 361

PRIMARY-EXAMINER: Louis-Jacques; Jacques H.

ASSISTANT-EXAMINER: Beaulieu; Yonel

ATTY-AGENT-FIRM: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

## ABSTRACT:

A motor vehicle drive system controller is adapted to automatic drive control, the engine and the transmission being among the objects of control. The power output of the motor is controlled so as to maintain either a consistent drivable mode or a consistent undrivable mode as the automatic transmission shifts gears while the vehicle is running under automatic drive control. The consistent drivable mode refers to a state where the output torque of the motor is greater than the sum of the average running resistance and the variation in the running resistance and the consistent undrivable mode refers to a state where the output torque of the motor is smaller than the difference of the average running resistance and the variation in the running resistance. The automatic drive control function is prohibited when the controller detects abnormality in the transmission.

11 Claims, 34 Drawing figures

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<a href="#">Generate OACS</a>					

**Search Results - Record(s) 1 through 2 of 2 returned.**

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1. Document ID: US 6178372 B1

**Using default format because multiple data bases are involved.**

L7: Entry 1 of 2

File: USPT

Jan 23, 2001

US-PAT-NO: 6178372

DOCUMENT-IDENTIFIER: US 6178372 B1

TITLE: Motor vehicle drive system controller and automatic drive controller

DATE-ISSUED: January 23, 2001

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tabata; Atsushi	Okazaki			JP
Fukumura; Kagenori	Toyota			JP
Nakamura; Yasunari	Nagoya			JP
Tomomatsu; Hideo	Nagoya			JP
Taniguchi; Hiroji	Okazaki			JP

US-CL-CURRENT: 701/97; 123/352, 180/167, 340/436, 340/901, 340/903, 701/93, 701/95

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequence</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn De</a>
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2. Document ID: US 6125321 A

L7: Entry 2 of 2

File: USPT

Sep 26, 2000

US-PAT-NO: 6125321

DOCUMENT-IDENTIFIER: US 6125321 A

TITLE: Motor vehicle drive system controller and automatic drive controller

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequence</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Drawn De</a>
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Terms	Documents
L6 and (701/97).ccls.	2

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## Hit List

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Generate OACS					

Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20060066287 A1

**Using default format because multiple data bases are involved.**

L8: Entry 1 of 5

File: PGPB

Mar 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060066287

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060066287 A1

TITLE: Method and system for controlling power to be fed to electrical loads

PUBLICATION-DATE: March 30, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Obayashi</u> ; Kazuyoshi	Chita-gun		JP
Fujitsuna; Masami	Kariya-shi		JP

US-CL-CURRENT: 322/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn Da
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2. Document ID: US 6554088 B2

L8: Entry 2 of 5

File: USPT

Apr 29, 2003

US-PAT-NO: 6554088

DOCUMENT-IDENTIFIER: US 6554088 B2

TITLE: Hybrid vehicles

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn Da
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3. Document ID: US 6362536 B1

L8: Entry 3 of 5

File: USPT

Mar 26, 2002

US-PAT-NO: 6362536

DOCUMENT-IDENTIFIER: US 6362536 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Apparatus and method for controlling power generation for hybrid vehicle

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	Attachments	Claims	KMC	Drawn Da
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 4. Document ID: US 6018694 A

L8: Entry 4 of 5

File: USPT

Jan 25, 2000

US-PAT-NO: 6018694

DOCUMENT-IDENTIFIER: US 6018694 A

TITLE: Controller for hybrid vehicle

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	Attachments	Claims	KMC	Drawn Da
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 5. Document ID: US 5917248 A

L8: Entry 5 of 5

File: USPT

Jun 29, 1999

US-PAT-NO: 5917248

DOCUMENT-IDENTIFIER: US 5917248 A

TITLE: System and method for driving electric vehicle

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	Attachments	Claims	KMC	Drawn Da
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Terms	Documents
obayashi and (load\$ with vehicle) and (motor with force)	5

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